XIV. RADIOFREQUENCY Non-IONIZING RADIATION SAFETY PROGRAM (NIRSP)

Personnel Contacted During Evaluation

Name	Rank	Title	Work Location	RSO?	Orders?

Radiofrequency Safety Program - Administrative	Yes	No	NA
1. Does the commander ensure that potentially hazardous systems have been evaluated by USACHPPM before operation? (AR 40-5, 9-9c(1)) **(NOTE: Only applies to non-Army developed/fielded systems).**	☐	☐	☐
2. Has the commander designated in writing an individual to be Radiation Safety Officer (RSO) or RF Safety Officer (RFSO), as appropriate, to oversee the implementation of the program? (NGR 385-11, 1-6d(2), AR 40-5, 9-4b(1))	☐	☐	☐
3. Does the RSO/LRSO have the authority and responsibility to monitor and enforce the control of nonionizing radiation hazards? (NGR 385-11, 1-6d(4))	☐	☐	☐
4. Are written SOPs, which include radiofrequency safety rules and precautions, reviewed and approved by the commander and RSO? (NGR 385-11, 1-6k(4), AR 40-5, 9-9c(3))	☐	☐	☐
5. Do immediate supervisors enforce RF SOPs, safety rules and special precautions? (NGR 385-11, 1-6k(5))	☐	☐	☐
6. Is an inventory of RF radiation producing equipment maintained by the SRSO or RFSO and updated annually? (NGR 385-11, 3-2a)	☐	☐	☐
7. Does the inventory include the type designation/nomenclature of the RF producing device, the NSN, the total quality on hand and the Unit Identification Code (UIC)? (NGR 385-11, 3-2b)	☐	☐	☐

RADIOFREQUENCY - Medical Surveillance & Emergencies	Yes	No	NA
1. Are RF accidents, unusual incidents, or personnel injury cases referred immediately for medical attention? (NGR 385-11, 1-6k(6), AR 40-5, 9-12b(2))	☐	☐	☐
2. In the case of a known or suspected overexposure to RF radiation in excess of 5x the PEL, are appropriate eye exams performed? (OTSG Policy Memo dated, 11 Apr 94)	☐	☐	☐
3. Are immediate exams administered within 24 hours or as soon as practical following a suspected or known overexposure? (NGR 385-11, 3-4c)	☐	☐	☐
4. Are accidents resulting in potential or actual overexposures reported to the NGB RSSO and CHPPM within 24 hours: (NGR 385-11, 3-5b&c, AR 40-5, 9c(6), AR 40-5, 9-12b(1))	☐	☐	☐

RADIOFREQUENCY Devices – Maintenance & Repair	Yes	No	NA
1. Are maintenance personnel familiar with the potential hazards associated with RF systems? (NGR 385-11, 8-4a)	☐	☐	☐
2. Are all personnel working in or frequenting any portion of a controlled environment, where equipment capable of producing non ionizing radiation in excess of the PELs is energized, informed of the hazard involved and instructed regarding the rules and procedures to be observed prior to their assignment to such areas? (NGR 385-11, 3-3b, AR 40-5, 9-9c(2)9)	☐	☐	☐
3. Do instruction topics include: Safe working techniques and procedures; proper use of protective equipment and devices; accident and incident procedures; pre-operational, operational, and post operational checks or inspections to ensure safety; and maintenance of an operational log for each piece of equipment that will identify when interlocks and other control or warning devices are bypassed or over-ridden? (NGR 385-11, 3-3b)	☐	☐	☐
4. Is refresher training provided annually? (NGR 385-11, 3-3c)	☐	☐	☐
5. For indoor operations, are sources operated into dummy loads in lieu of free space radiating? (NGR 385-11, 8-3a)	☐	☐	☐
6. When RF maintenance is performed, has the power supply been disabled prior to the start of work? (NGR 385-11, 8-4f)	☐	☐	☐
7. Is maintenance performed in strictly controlled areas with warning signs posted as necessary? (NGR 385-11, 8-4d)	☐	☐	☐

RADIOFREQUENCY Devices – Maintenance & Repair	Yes	No	NA
8. Are precautions taken to prevent electrical shock and exposure to x-ray radiation hazards associated with RF sources? (NGR 385-11, 8-4e)	☐	☐	☐
9. For free space radiating outside the building, are antennas mounted in areas that are inaccessible to personnel? (NGR 385-11, 8-4c)	☐	☐	☐
10. Are operational logs kept for bypassing and/or overriding interlocks or other warning devices and do they indicate the purpose and duration? (NGR 385-11, 3-3h, AR 40-5, 9-9c(6))	☐	☐	☐
11. Are periodic operational checks conducted on all radiation safety devices such as alarms, lights, and interlocks prior to operation? (NGR 385-11, 3-3g, AR 40-5, 9-9c(4))	☐	☐	☐
12. Is repair of defective devices documented? (NGR 385-11, 3-3g)	☐	☐	☐

RADIOFREQUENCY Device Safety	Yes	No	NA
1. Do users comply with the requirements and safety procedures prescribed in applicable FMs & TMs? (AR 40-15, 9-9c(5))	☐	☐	☐
2. Whenever possible, are sources operated into dummy loads in lieu of free space radiating? (AR 385-11, 8-3a)	☐	☐	☐
3. When operating near occupied areas, are potentially hazardous radiated beams kept at a safe distance through the use of interlocks, antenna sector blanking, fences, or other positive means? (AR 385-11, 8-3c)	☐	☐	☐
4. Are interlocks, antenna sector blanking systems, and other beam restriction devices inspected periodically? (AR 385-11, 8-3d)	☐	☐	☐
5. Are only authorized personnel permitted to setup, adjust, and operate RF systems? (AR 385-11, 8-3e)	☐	☐	☐
6. Are wave guides inspected periodically for damage, cracks, proper flange connections, etc.? (AR 385-11, 8-3j)	☐	☐	☐
7. Are vehicle mounted whip antennas tied down to prevent contact with overhead power lines? (AR 385-11, 8-3i)	☐	☐	☐

RADIOFREQUENCY Device Safety	Yes	No	NA
8. Have persons working in or frequenting any portion of a RF controlled area been instructed in: - Safe working techniques and procedures. - Proper use of protective equipment and devices. - Procedures to be followed when an accident, incident or emergency occurs. - Daily equipment pre-operational, operational, and post-operational checks, where appropriate. - Precautions to be taken to prevent electrical shock or exposure to x-ray radiation associated with RF system transmitter cabinets. (AR 40-5, 9-9b1-5, NGR 385-11, 8-3k,m)	☐	☐	☐
9. Are all personnel working in or frequenting any portion of a controlled environment, where equipment capable of producing non ionizing radiation in excess of the PELs is energized, informed of the hazard involved and instructed regarding the rules and procedures to be observed prior to their assignment to such areas? (NGR 385-11, 3-3b, AR 40-5, 9-9c(2))	☐	☐	☐
10. Is refresher training provided annually? (NGR 385-11, 3-3c)	☐	☐	☐
11. Do installations operating RF emitters maintain documentation defining locations categorized as RF controlled environments? (NGR 385-11, 8-1g)	☐	☐	☐
12. Do SOPs provide for the placement of appropriate RF hazard warning signs at all access points in which levels exceed the controlled environment PELs listed in DODI 6055.11? (NGR 385-11, 8-5b)	☐	☐	☐
13. Are instructional or warning statements inserted on the warning signs? (NGR 385-11, 8-5b)	☐	☐	☐
14. Are other warning devices, such as flashing lights, audible signals, barriers or interlocks used in areas where access to levels in excess of 10x the controlled environment PELs may exist? (NGR 385-11, 8-5c)	☐	☐	☐